

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063710.D
 Acq On : 12 Nov 2025 10:22
 Operator : MD/SY
 Sample : VU1112WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBL01

Quant Time: Nov 14 04:41:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.345	168	181067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.222	114	282529	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	263432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	141364	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.673	65	150700	56.341	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.680%
35) Dibromofluoromethane	5.258	113	119795	60.538	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	121.080%
50) Toluene-d8	7.872	98	376370	52.943	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.880%
62) 4-Bromofluorobenzene	10.608	95	171146	58.198	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.400%

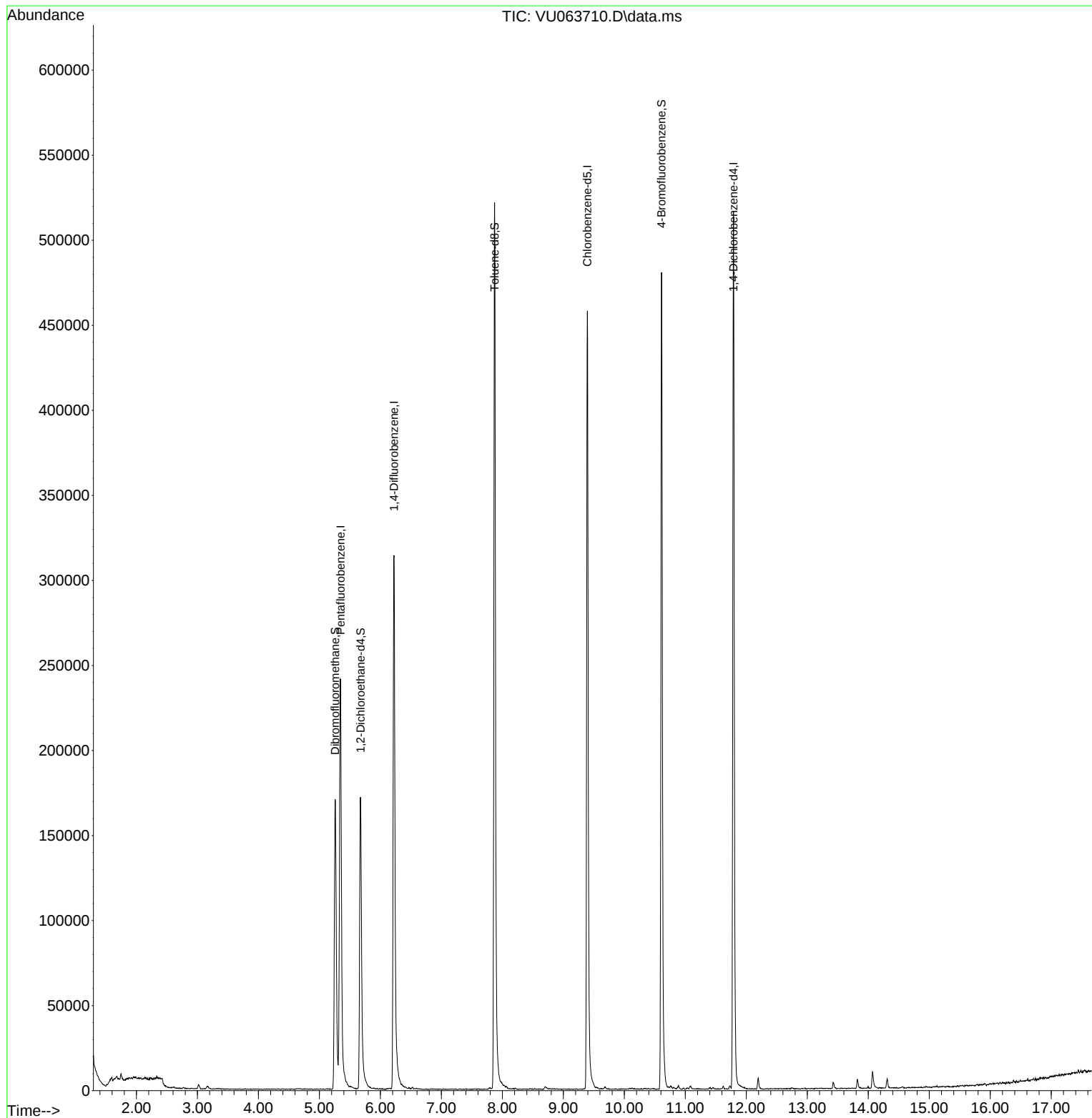
Target Compounds	Qvalue

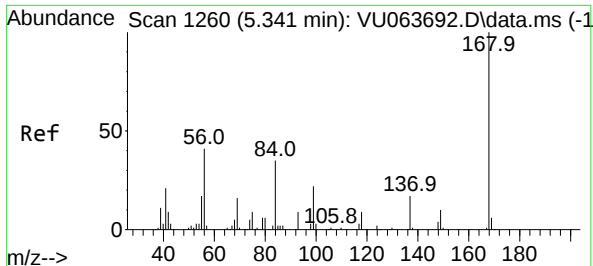
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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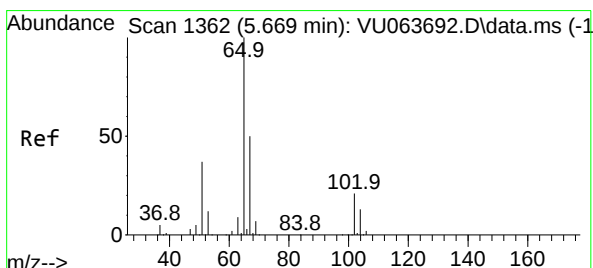
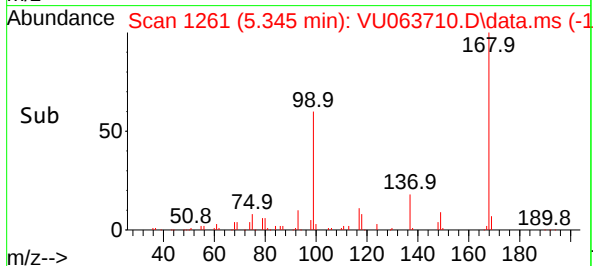
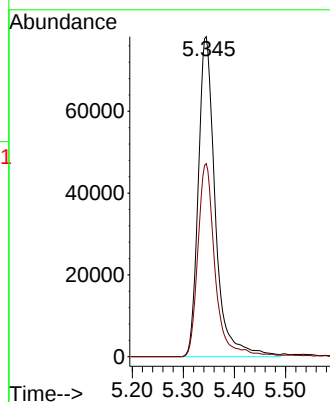
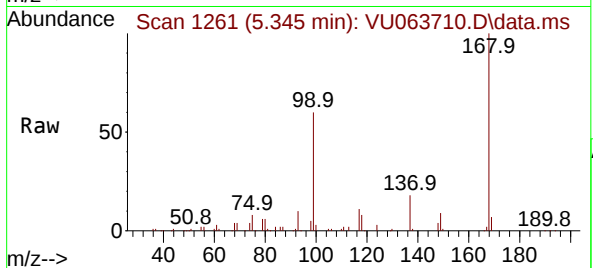




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.345 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

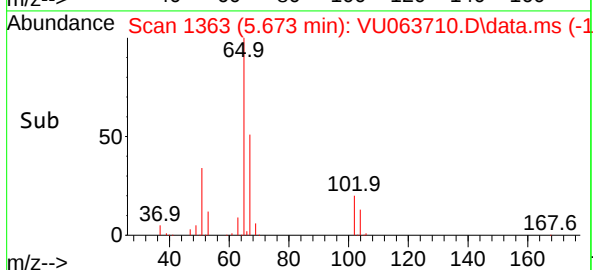
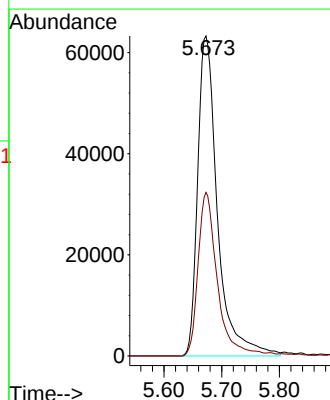
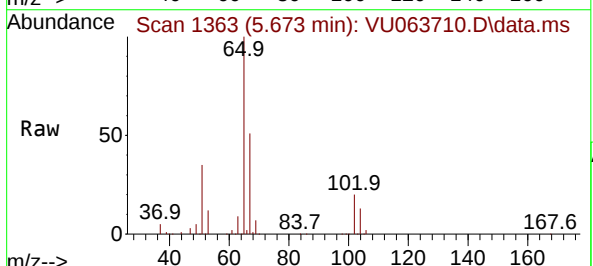
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

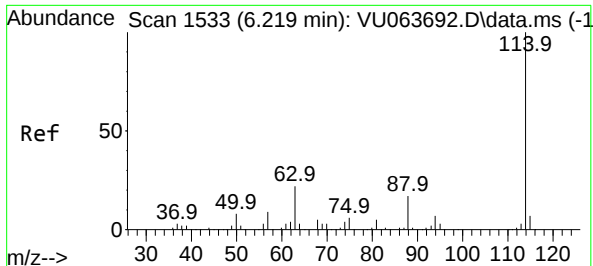
Tgt Ion:168 Resp: 181067
Ion Ratio Lower Upper
168 100
99 60.4 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 56.341 ug/l
RT: 5.673 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 65 Resp: 150700
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.222 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBL01

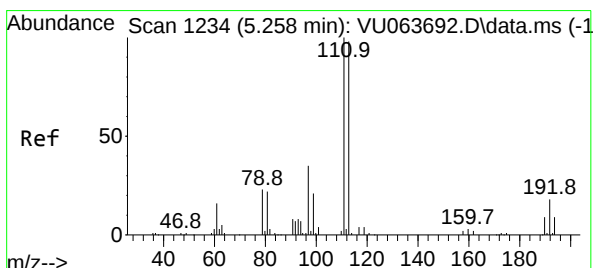
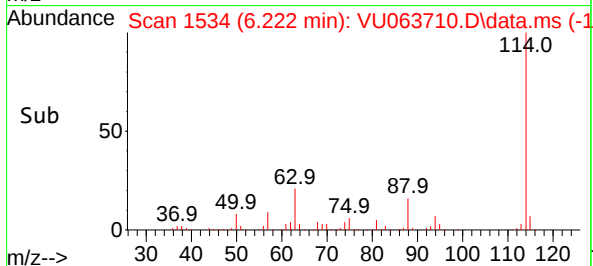
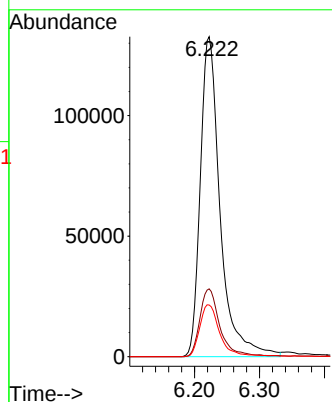
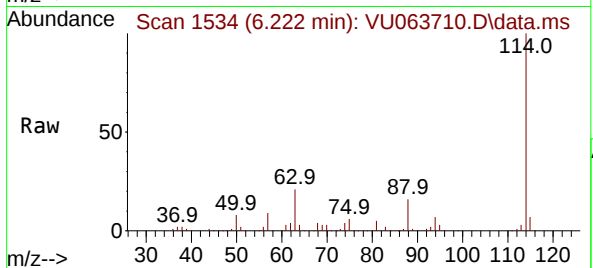
Tgt Ion:114 Resp: 282529

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.2 0.0 33.6



#35

Dibromofluoromethane

Concen: 60.538 ug/l

RT: 5.258 min Scan# 1234

Delta R.T. -0.000 min

Lab File: VU063710.D

Acq: 12 Nov 2025 10:22

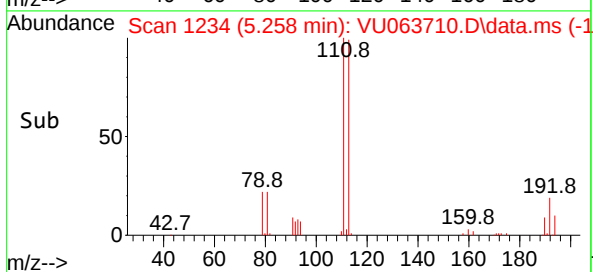
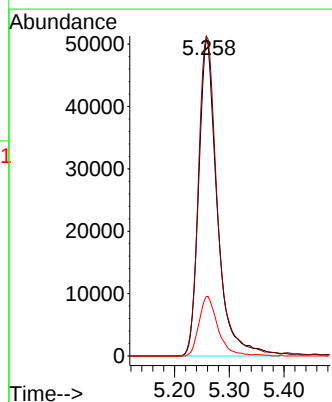
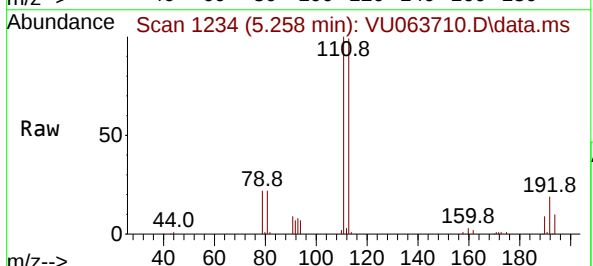
Tgt Ion:113 Resp: 119795

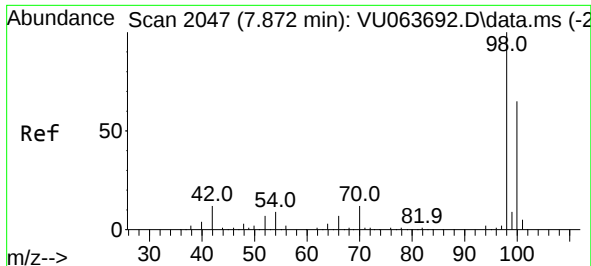
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 19.0 15.4 23.0

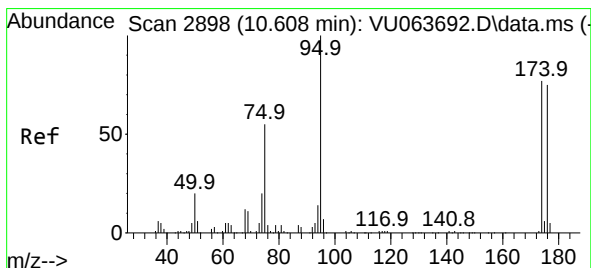
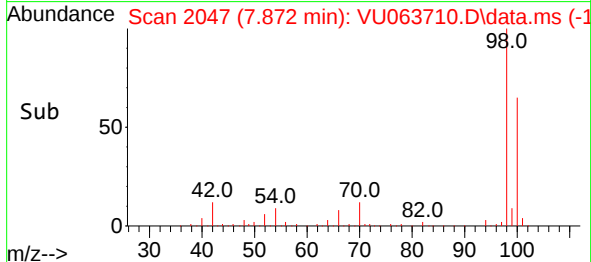
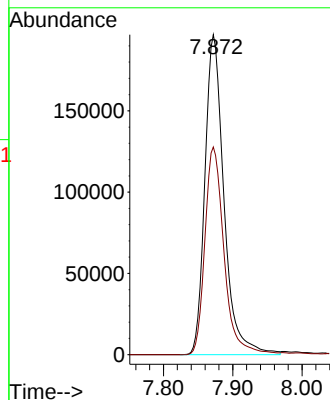
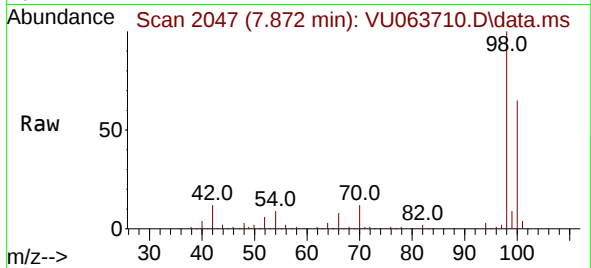




#50
Toluene-d8
Concen: 52.943 ug/l
RT: 7.872 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

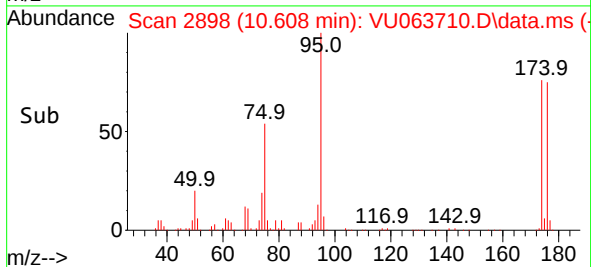
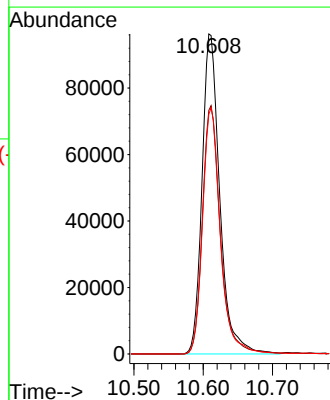
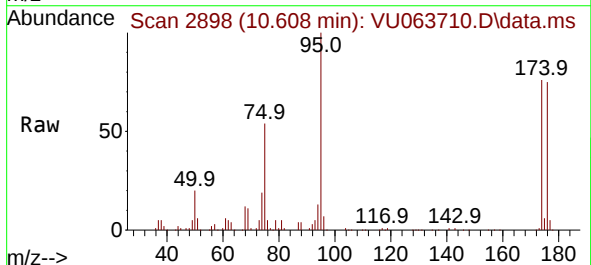
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

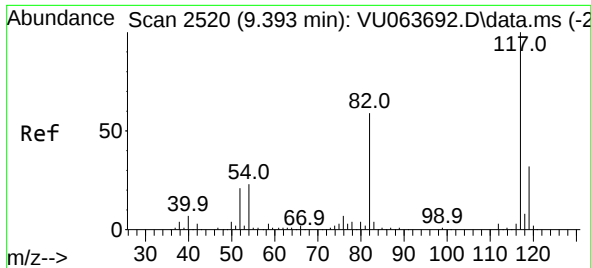
Tgt Ion: 98 Resp: 376370
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 58.198 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion: 95 Resp: 171146
Ion Ratio Lower Upper
95 100
174 77.9 0.0 154.6
176 76.7 0.0 148.4

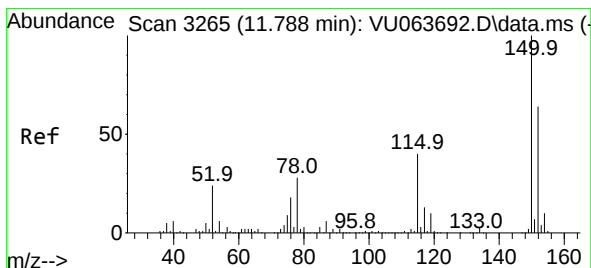
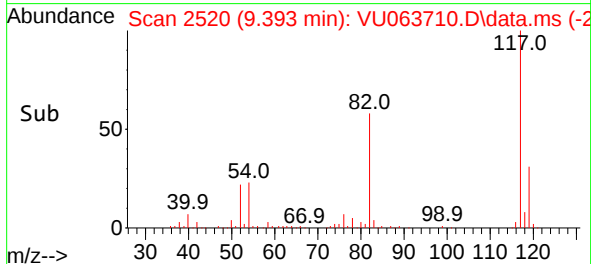
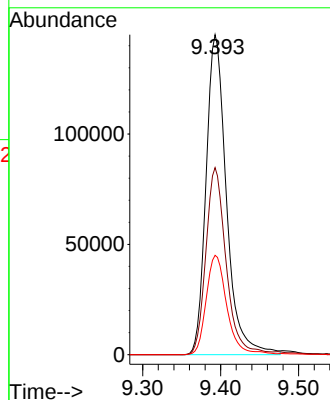
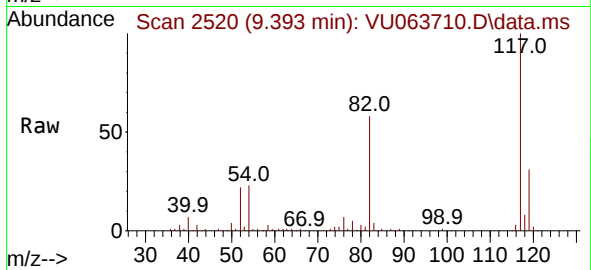




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.393 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBL01

Tgt Ion:117 Resp: 263432
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 31.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.788 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU063710.D
Acq: 12 Nov 2025 10:22

Tgt Ion:152 Resp: 141364
Ion Ratio Lower Upper
152 100
115 62.3 41.0 123.0
150 157.9 0.0 342.2

